METRIC CONVERSION *TABLE—Continued*

| | Logarithm |
|---|---|
| 1.00 Ib per sq ft =4 mm 88241 of water | 0.688 6343 |
| = 4 kg 88241 per $m^2$ | 0.688 6343 |
| = 0.0069444 Ib per sq in | 7.841 6175-10 |
| = 0.11111 oz per sq in | 9.0457575-10 |
| = 0.19222 in of water | 9.2837997-10 |
| = 0.0180184 ft of water | 8.2046185-10 |
| = 0.0141380 in of mercury | 8.150 3885-10 |
| 1 kg 00 per $m^3$ =0.0624283 Ib per cu ft | 8.795 3816-10 |
| 1 gr 00 per $cm^3$ =1000 kg 00 per $m^3$ | 3.000 0000 |
| = 1 kg 00 per liter | 0.000 |
| = 62.4283 Ib per cu ft | 1.795 3816 |
| =8.36469 Ib per gallon U. S | 0.922 4499 |
| = 10.043 Ib per gallon British | 1.001 7471 |
| = 0.036127 Ib per cu in | 8.557 8379-10 |
| 1.00 Ib per cu ft =16 kg 0184 per $m^3$ | 1.204 6184 |
| = 0kg 01618 per liter | 8.2046184-10 |
| = 0.13368 Ib per gallon U. S | 9.1260683-10 |
| = 0.16046 Ib per gallon British | 9.205 3655-10 |
| = 0.0005787 Ibper cu in | 6.7624563-10 |
| = 0.0092592 oz per cu in | 7.9665763-10 |
| 1.00 Ib per cu in = 27 gr 6797 per $cm^3$ | 1.442 1621 |
| =27 kg 6797 per liter | 1.442 1621 |
| =27,679 kg 744 per $m^3$ | 4.442 1621 |
| = 1,728 Ib per cu ft | 3.237 5437 |
| = 231.00 Ib per gallon U. S | 2.363 6120 |
| =277.274 Ib per gallon British | 2.442 9092 |

Weight of Air 0° (32° F.) and 760 m/m (29.92 in) mercury.

| | |
|---|---|
| 1 $m^3$ 00 air =1 kg 2928 | 0.111 6154 |
| =2.85069 Ib | 0.4549500 |
| l.OOcuftair =0.080723 Ib | 8.9069975-10 |
| = 0 kg 036615 | 8.563 6635-10 |
| 1 kg 00 air =0 $m^3$ 77336 | 9.888 3840-10 |
| =22.3109 cu ft* | 1.436 3365 |
| 1.00 Ib air =12.3880 cu ft | 1.093 0025 |
| = Om»3S08 | 9.5459500-10 |
| 1.00 gr mol air =0 kg 02886 | 8.460 3096-10 |
| = 0.06363 Ib | 8.803 6442-10 |
| •l.OOozmolair =0 kg 8172 | 9.9123517-10 |
| = 1.80171b | 0.2556917 |
| =28,827 oz | 1,459 8117 |